

## ABSTRACT

- 5 The invention comprises in its broadest embodiment analysis of components in liquids by bringing a liquid, containing analyte of interest, in contact with an electronic tongue comprising at least one electrode of a material selected from the group consisting of the groups 6-12 of the periodic table, preferably groups 9-11, or alloys thereof. Preferably the metal is selected from the platinum group metals, the most preferred material being Pt. A
- 10 voltage pulse sequence is applied to the electrodes. The pulse amplitudes can be different for different electrodes, and suitably the amplitudes are varied between negative potentials and positive potentials.